Programme: DSCM/PGDSCM

Examination: April 2018
Subject: Operations Management
Date: 22.4.2018

Semester: II
Course: New
Marks: 70
Time: 11.00 a.m. to 2.00 p.m.

Instructions:
1. Answer to each new question to be started on a fresh page.
2. Figures in bracket indicate full marks.

Q.1) Attempt any 2 out of 4 (Marks: 2X5=10)
   a) What is the role of an Operations manager in operations management?
   b) Discuss in brief the concept of ‘Value driven approach’ in operations
   c) What are the various Environmental issues that arise in operations management?
   d) What are the pros and cons of a Product Layout?

Q.2) Write Short Notes on any 2 out of 5 (Marks: 2X5=10)
   a) Mass Production
   b) 6 sigma & TQM
   c) Product Life Cycle
   d) Cellular layout
   e) Design for Manufacturability (DFM)

Q.3) Attempt any 3 out of 5 (Marks: 3X10=30)
   a) Explain the significance of ‘Break even analysis’. What are the various factors that are considered for a Break even analysis?
   b) Discuss Fixed Quantity ordering system and Fixed Time Period ordering system.
   c) Explain the various maintenance strategies that can be implemented for “Total Productive Maintenance”.
   d) Discuss the concept of ‘Lean Manufacturing’ and explain its significance.
   e) What are the various factors considered for evaluating and deciding for a plant location?

Q.4) Attempt both the questions (Marks: 2X10=20)
   a) What are the various strategies that can be implemented for an effective ‘Product Development’ process?
   b) Discuss in detail the various techniques in ‘Production Planning & Control’ in operations management.